

# When quality and reliability matter most, trust the BSI Kitemark™



## Why is the BSI Kitemark™ for polymeric pipes so important?

So if you're looking to differentiate your products in the marketplace and are looking for experts with the recognized industry knowledge to give your products trusted recognition to open up new markets, we're here to help.

We have expertise and experience in independent and impartial testing and certification of polymeric pipes, fittings and associated products for various applications including:

- Soil and waste systems
- Sewers
- Subsoil field drains
- Cold and hot potable water supply systems
- Gas supply

In order to achieve a BSI Kitemark, manufacturers submit samples of products that will carry this trusted quality mark to our laboratory for third party independent testing against various key industry standards. During this rigorous process products would be subjected to tests including elevated temperature and pressure to ensure they perform. But products that have earned a BSI Kitemark aren't tested just once. We check them time and time again on a regular basis to help ensure consistency, safety and quality. This is what we believe sets the BSI Kitemark apart from many other certification schemes.

In every case, performance is tested in line with the recommendations of the appropriate BS, ASTM, GIS, EN ISO or SANS standard. To achieve BSI Kitemark certification we also consider quality of the materials used as well as quality control and production management systems (such

as ISO 9001) that are used by a manufacturer at their site.

### So how can I achieve the BSI Kitemark™?

For a manufacturer to achieve the BSI Kitemark, the following steps typically need to be taken:

- Initial laboratory type testing of the product;
- Initial assessment of the manufacturing site and associated manufacturing quality plan (usually to a recognised standard such as ISO 9001)
- On-going factory assessments and product testing, once or twice a year, to ensure that the quality plan remains in place and agreed manufacturing procedures are being followed
- A product audit of samples from current production to the relevant standard to ensure products continue to comply. This also gives an opportunity to review any amendments or updates to the standards and how they will affect the product.

### Helping you to access global markets

Because we are a notified body for the Construction Products Regulation (CPR) we can enable you to trade in Europe. We also have UKAS accredited laboratories and can provide testing, mandatory or voluntary certification or compliance.

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...making excellence a habit.™

# Core standards for polymeric pipes and associated products that we can certify and test

Standard/specificatic	Standard/specification name	Cert
<b>BS EN 12201-2:2011</b>	Polyethylene pipes for water supply	
<b>BS EN 12201-3:2011</b>	Polyethylene pipes for water supply - fittings	
<b>ISO 4427-2:2007</b>	Polyethylene pipes for water supply	
<b>BS 7291-263:2010</b>	Thermoplastic pipes and associated fittings for hot and cold water for domestic purposes and heating installations in buildings	
<b>BS EN ISO 1452-263:2009</b>	Piping systems for water supply – PVC-U pipes and fittings rainwater drainage systems	
<b>BS EN 12200-1:2016</b>	Plastic rainwater piping systems for above ground external use – pipes and fittings	
<b>BS EN 607:2004</b>	Rainwater systems -PVC-U eaves, gutters and fittings	
<b>BS EN 1462:2004</b>	Rainwater systems -Brackets for eaves and gutters	
<b>BS EN ISO 15876 series:2017</b>	Polybutylene piping systems for hot and cold water installations & fittings	
<b>BS EN ISO 15874 series:2018</b>	PP piping systems for hot and cold water installations & fittings	
<b>BS EN ISO 15875 series:2003</b>	PE-X pipes and fittings piping systems for hot and cold water installations & fittings	
<b>BS EN ISO 21003:2008</b>	Multilayer piping systems for hot and cold water installations inside buildings.	
<b>BS EN 1519-1:2000</b>	Plastics piping systems for soil and waste discharge (low and high temperature) within the building structure. Polyethylene (PE).	
<b>BS EN 1329-1:2014</b>	PVC-U soil and waste discharge within the building structure – pipes fittings and the system	
<b>BS EN 1401-1:2019</b>	PVC-U piping systems for non-pressured underground drainage and sewage	
<b>BS EN 13476 parts 2 &amp; 3:2018</b>	Thermoplastic structured wall pipes, joints and couplers with a smooth bore for gravity sewers	
<b>WIS 4-32-19:2009</b>	PE pressure pipe systems with an aluminium barrier layer for use in contaminated land	
<b>BS EN 13598 part 1:2010</b> <b>BS EN 13598 part 2:2016</b>	Plastics piping systems for non-pressure underground drainage and sewerage. Unplasticized poly(vinyl chloride) (PVC-U), polypropylene (PP) and polyethylene (PE). Specifications for Manholes and inspection chambers	
<b>BS EN 681-162:1996</b>	Elastomeric seals – material requirements for pipe joint seals used in water and drainage applications	

If you do not see the standard you require listed here, please contact your local BSI representative as there may be additional standards we can test and certify to.

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Standard/specification	Standard/specification name	Cert
<b>BS EN 14814:2016</b>	Adhesives for thermoplastic piping systems for fluids under pressure.	
<b>BS EN 14680:2015</b>	Adhesives for non-pressure thermoplastic piping systems	
<b>BS EN 12380:2002</b>	Air admittance valves for drainage systems	
<b>BS EN 274:2002</b>	Waste fittings for sanitary appliances	
<b>SANS 1601:2017</b>	Structured wall pipes & fittings of plasticized poly (vinyl chloride) (PVC-U) for buried drainage and sewage systems	
<b>SANS 791:2014</b>	Unplasticized poly (vinyl chloride) (PVC-U) sewer and drainpipes and pipe fittings	
<b>SANS 966-1:2014</b>	Components of pressure pipe systems. Part 1 Unplasticized poly (vinyl chloride) (PVC-U) pressure pipe systems	
<b>SANS 966-2:2014</b>	Components of pressure pipe systems. Part 2 Modified poly (vinyl chloride) (PVC-U) pressure pipe systems	
<b>SANS 4427-1:2008</b>	Plastics piping systems – Polyethylene (PE) pipesand fittings for water supply Part 1: General	
<b>SANS 4427-2:2008</b>	Plastics piping systems – Polyethylene (PE) pipesand fittings for water supply Part 2: Pipes	
<b>SANS 4427-3:2008</b>	Plastics piping systems – Polyethylene (PE) pipesand fittings for water supply Part 3: Fittings	
<b>SANS 4427-5:2008</b>	Plastics piping systems – Polyethylene (PE) pipes and fittings for water supply Part 5: Fitness for purpose of the system	
<b>SANS 16422 / ISO 16422</b>	Pipes and joints made of oriented unplasticized poly(vinyl chloride) (PVC-U) for the conveyance of water under pressure - Specifications	

## GRP pipes (not generally used in the UK)

<b>BS EN 1796:2013</b>	Plastic piping systems for water supply with or without pressure-GRP based on unsaturated polyester Resin (UP)	
<b>BS 14364:2013</b>	Plastic piping systems for drainage and sewerage with or without pressure-GRP based on UP	
<b>ASTM D3262:2011</b>	Standard Specification for Fibreglass (Glass-Fibre-Reinforced Thermosetting-Resin) Sewer Pipe	
<b>ASTM D3517:2011</b>	Standard Specification for Fibreglass (Glass-Fibre-Reinforced Thermosetting-Resin) Pressure Pipe	
<b>ASTM D3754:2011</b>	Standard Specification for Fibreglass (Glass-Fibre-Reinforced Thermosetting-Resin) Sewer and Industrial Pressure Pipe	
<b>BS ISO 25780:2011</b>	Plastics piping systems for pressure and non-pressure water supply, irrigation, drainage or sewerage. Glass-reinforced thermosetting plastics (GRP) systems based on unsaturated polyester (UP) resin. Pipes with flexible joints intended to be installed using jacking techniques	
<b>ISO 10639:2004</b> (copy of BS EN 1796)	Plastics piping systems for pressure and non-pressure water supply – Glass-reinforced thermosetting plastics (GRP) systems based on unsaturated polyester (UP) resin	
<b>ISO 10467:2004</b> (copy of BS EN 14364)	Plastic piping systems for pressure and non-pressure drainage and sewerage – Glass-reinforced thermosetting plastics (GRP) systems based on unsaturated polyester (UP) resin	